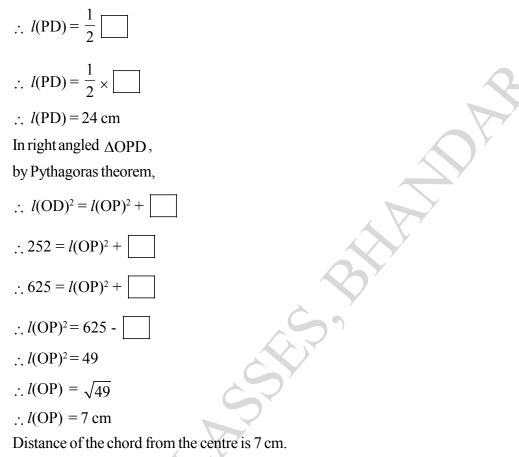


l(OD) = 25 cm, l(CD) = 48 cm

... (Given)

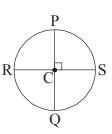
seg OP  $_{\perp}$  chord CD

The perpendicular drawn from the centre of the circle to its chord bisects the chord.



## : B) Solve any one of the following.

1) The diameters PQ and RS of the circle with centre C are perpendicular to each other at C. State, why arc PS and arc SQ are congruent. Write the other arcs which are congruent to arc PS



2) C is the centre of the circle whose radius is 10 cm. Find the distance of the chord from the centre if the length of the chord is 12 cm.

03

